

The logo consists of three overlapping orange circles. The text 'COMMUNITY ALLIANCE FOR AGROECOLOGY' is centered within the circles in white, uppercase letters. A small white floral icon is positioned to the right of the word 'COMMUNITY'.

COMMUNITY
ALLIANCE FOR
AGROECOLOGY

www.allianceforagroecology.org

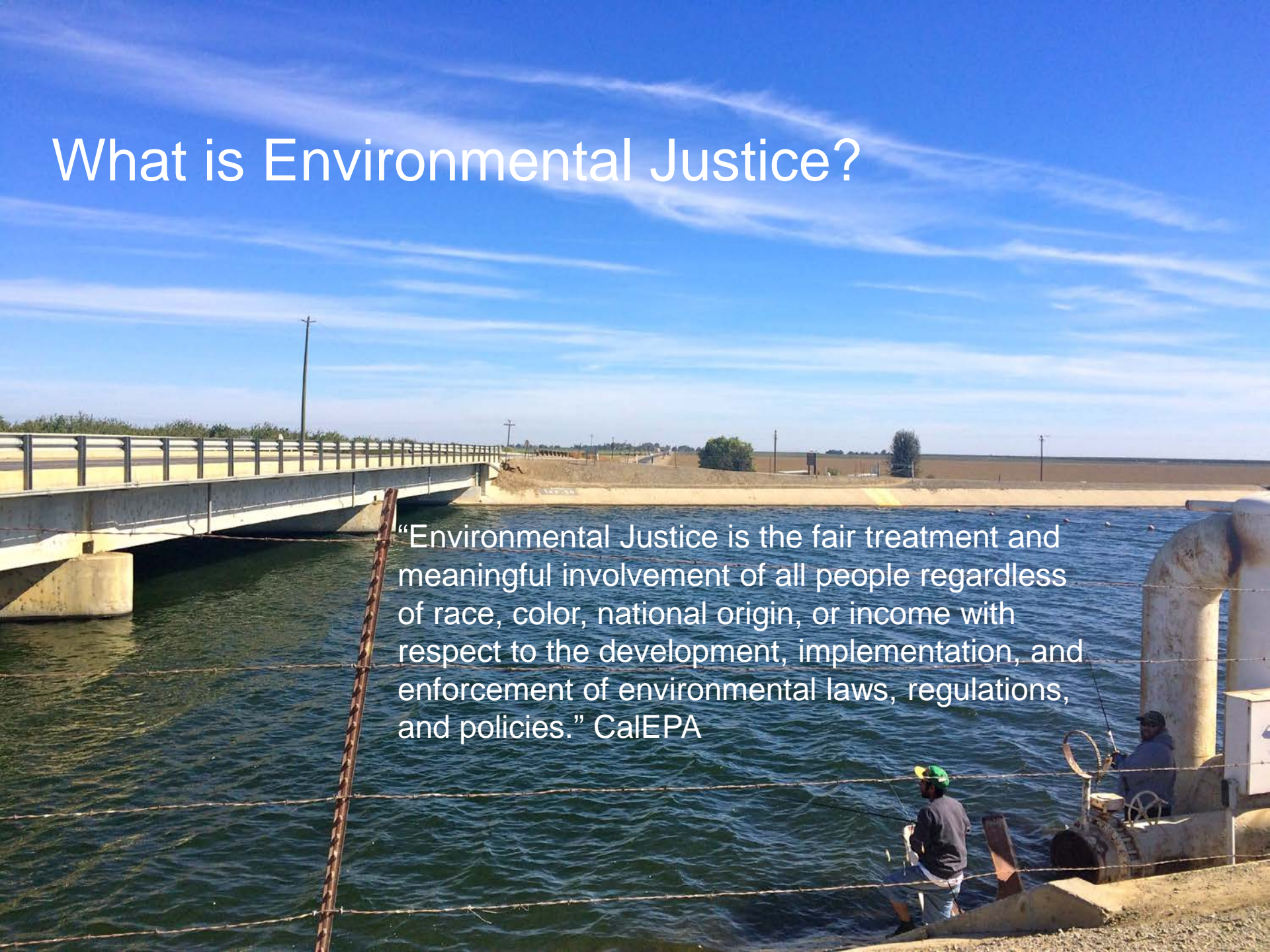
1012 Jefferson Street

Delano, CA 93215

(760) 613-2936

Jan 25th, 2017

What is Environmental Justice?

A photograph of a large concrete bridge spanning a body of water. In the foreground, two workers are visible near a control structure. One worker is wearing a green hard hat and a dark jacket, while the other is wearing a blue shirt. The water is dark and rippled. The sky is blue with some light clouds. The bridge has a metal railing and concrete supports. In the background, there are some trees and utility poles.

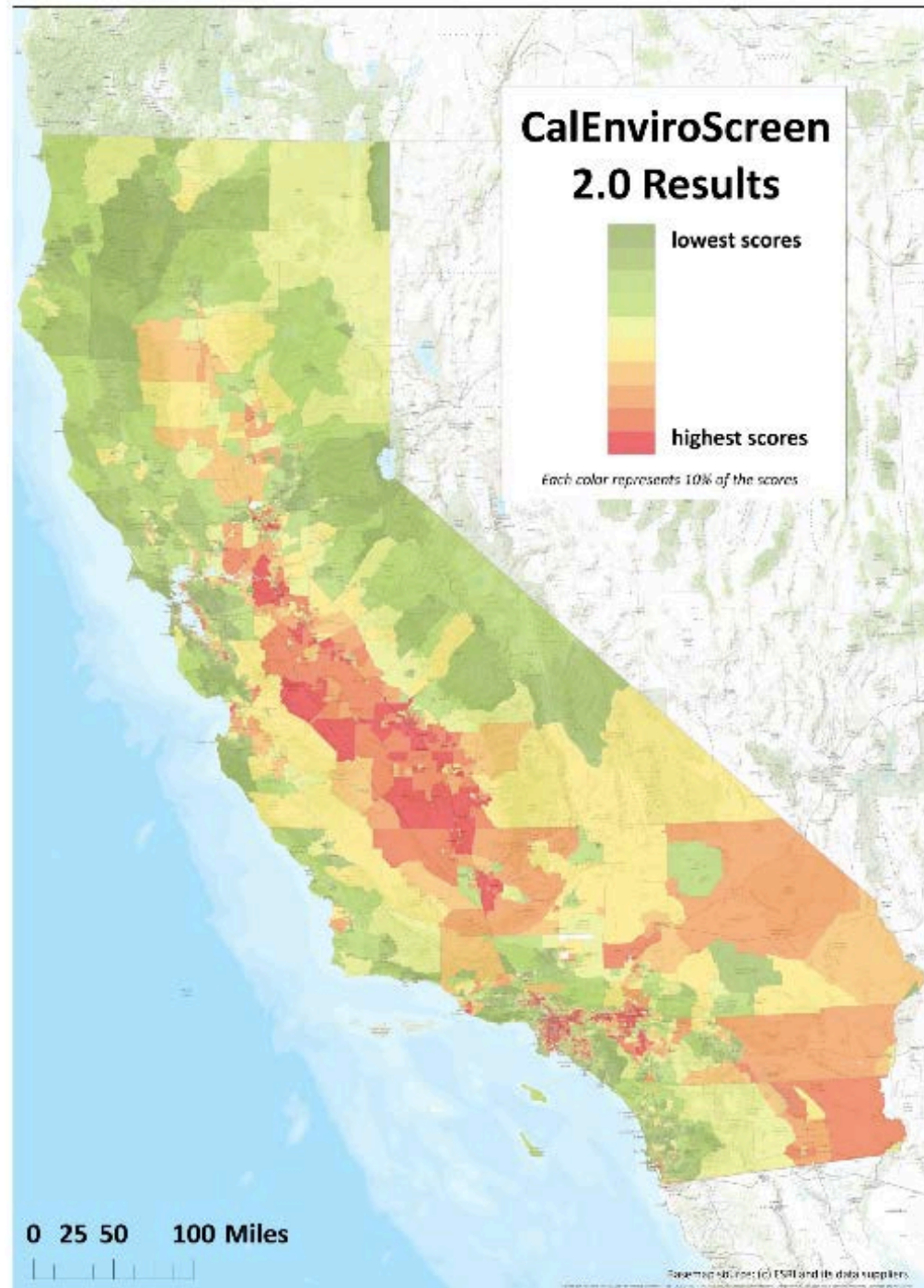
“Environmental Justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.” CalEPA

Cal Enviro Screen 2.0

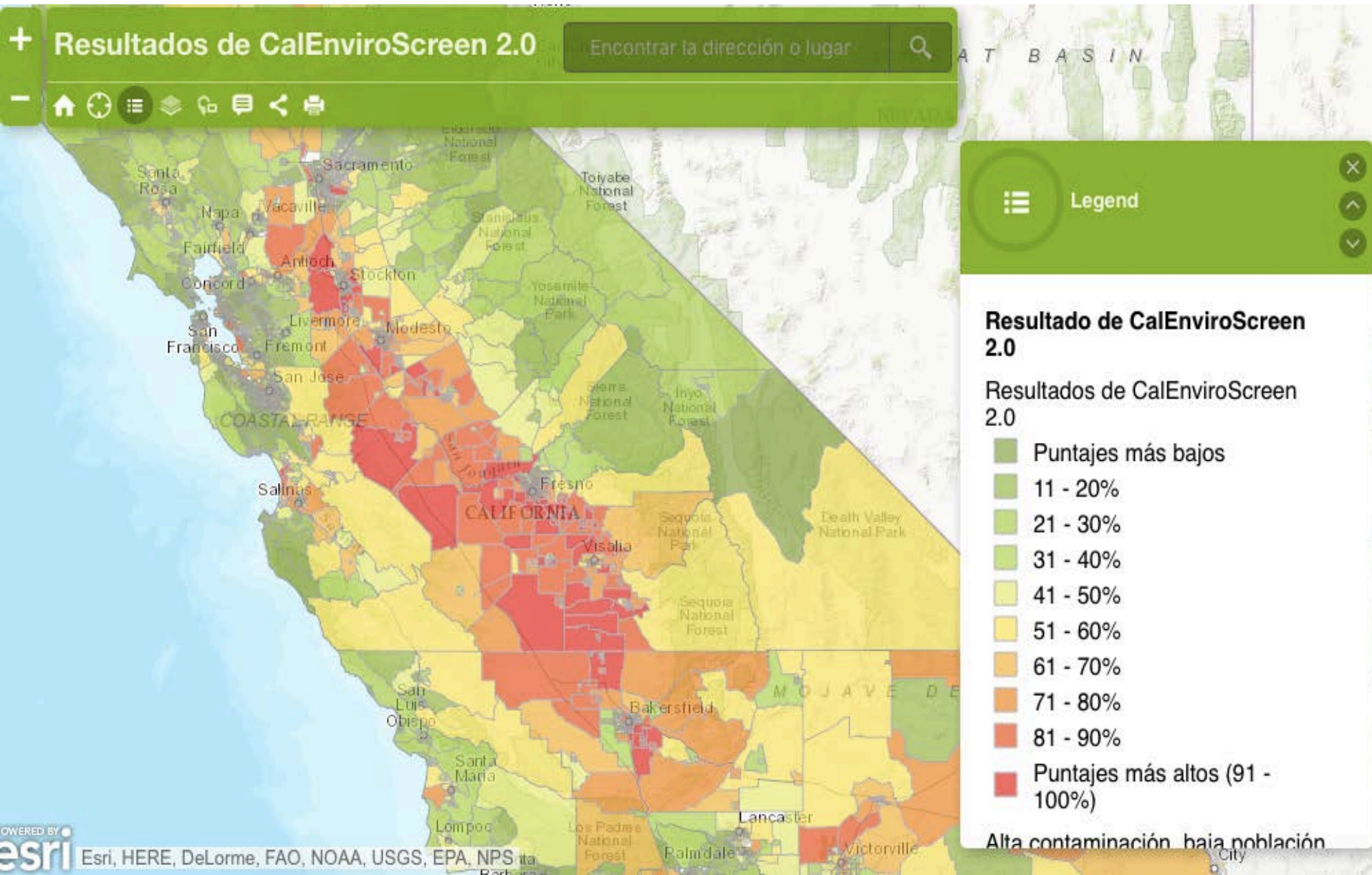
Cal EPA Office of Environmental Health Hazard Assessment

Age
Asthma
Low Birth Weight
Low Education
Linguistic Isolation
Poverty
Unemployment

Groundwater
Hazardous Waste
Impaired Waters
Solid Waste
Ozone
PM2.5
Diesel
Drinking Water
Pesticides
Toxic Releases
Traffic
Cleanups



The San Joaquin Valley: Kings, Merced, Fresno, Stanislaus, Madera, Tulare, Kern



Public Health Challenges in Disadvantaged Communities (Colonias)

- Lack of Access to Water and Sewer Services
 - Safe potable drinking water
 - Wastewater infrastructure
 - Plumbing
- Housing
 - Often built with materials on hand
 - Often built by hand without use of an engineer
 - Lack of fire protection
- Personal Health and Disease Transmission
 - Dilapidated homes lead to asthma and other respiratory illness
 - Lack of appropriate drainage systems leads to disease spread
 - Lack of access to fresh foods leads to diabetes, obesity and chronic disease
- Places of employment
 - Agricultural work
 - Packing and Processing
 - Industry (Oil, Gas and Mining)
- Lack of governance
 - Poor emergency response
 - Lack of fire and police protection
 - Adversarial water districts and utilities districts
 - Language access in case of emergency

Maps of Valley Disparity

Regional Opportunity Index

<http://interact.regionalchange.ucdavis.edu/roi/webmap/webmap.html>

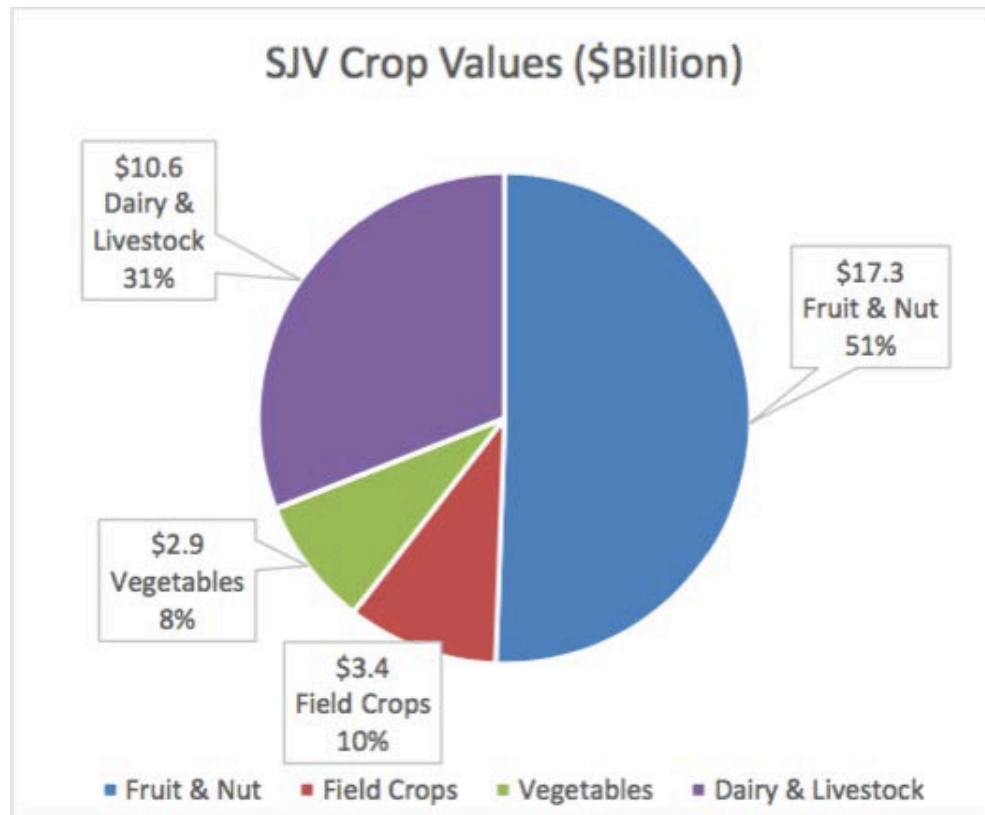
Cal Enviro Screen

<http://oehha.maps.arcgis.com/apps/MapJournal/index.html?appid=4b03e3e3789a445b90cb166dbbabf821&webmap=279ecb0d5c7d470496d116a6ab6586c0>

Department of Gas and Geothermal Resources

<http://maps.conservation.ca.gov/doggr/index.html#close>





-SJV agriculture generated \$35.6 billion in farm-gate receipts in 2013 on 6.3 million acres

-Dairy industry alone accounts for approximately 25% of the valley ag economy

-The SJV's 25,000 farms are led by fewer than 2,000 people

Water Access Disparity

-\$39 billion dollar agricultural economy based in the central Valley

-Intensive fertilizer and pesticide application and mega dairies has severely impacted aquifers

-95% of residential water sources in the San Joaquin Valley are ground water sources

- nitrate
- arsenic
- heavy metals
- Coliform bacteria
- dibromochloropropane
- 1,2,3 TCP
- trihalomethanes
- uranium



Source: www.wwd.gov



CALIFORNIA
33

← EL PROGRESSO

T

A PERSON WHO WAS HERE IN 1987 AND WAS KILLED IN A TRUCK ACCIDENT. THE TRUCK WAS DRIVEN BY A PERSON WHO WAS DRIVING UNDER THE INFLUENCE OF ALCOHOL. THE PERSON WHO WAS DRIVING THE TRUCK WAS A MEMBER OF THE CALIFORNIA HIGHWAY PATROL. THE PERSON WHO WAS DRIVING THE TRUCK WAS A MEMBER OF THE CALIFORNIA HIGHWAY PATROL. THE PERSON WHO WAS DRIVING THE TRUCK WAS A MEMBER OF THE CALIFORNIA HIGHWAY PATROL.



HALFWAY STORE

OPEN







EL PARQUE DE LA COMUNIDA EL PORVENIR

United Rentals Innov Valley Materials CalTrans Shimizu Electric Bridgeway Landscaping and Nursery L&J Trucking L&J Trucking Rosa Martinez The World of Events	Red Builders Tara and C. Stanley Edgar N.F. Davis Deter & Schuler Mark Olson Playwrights by Design K.J. Thomas Mfg. Co. Inc. T. L. Loughrey Supply East Wood Inc. Baker Construction	Fresno County Sheriff's Department The Sheriff's Foundation Fire Power Station Fire Star Market Firestar of California Terry Johnson Trucking West Side Irrigation, Sales and More East Wood Inc. L&J Valley Irrigation	Central Valley Hydro-Seeding Landscape Construction Crescent Turf & Landscaping Pinnacle Farms Pinnacle Valley Turf, Pavers, Grills & More Honey Depot Honey Depot Honey Depot Honey Depot
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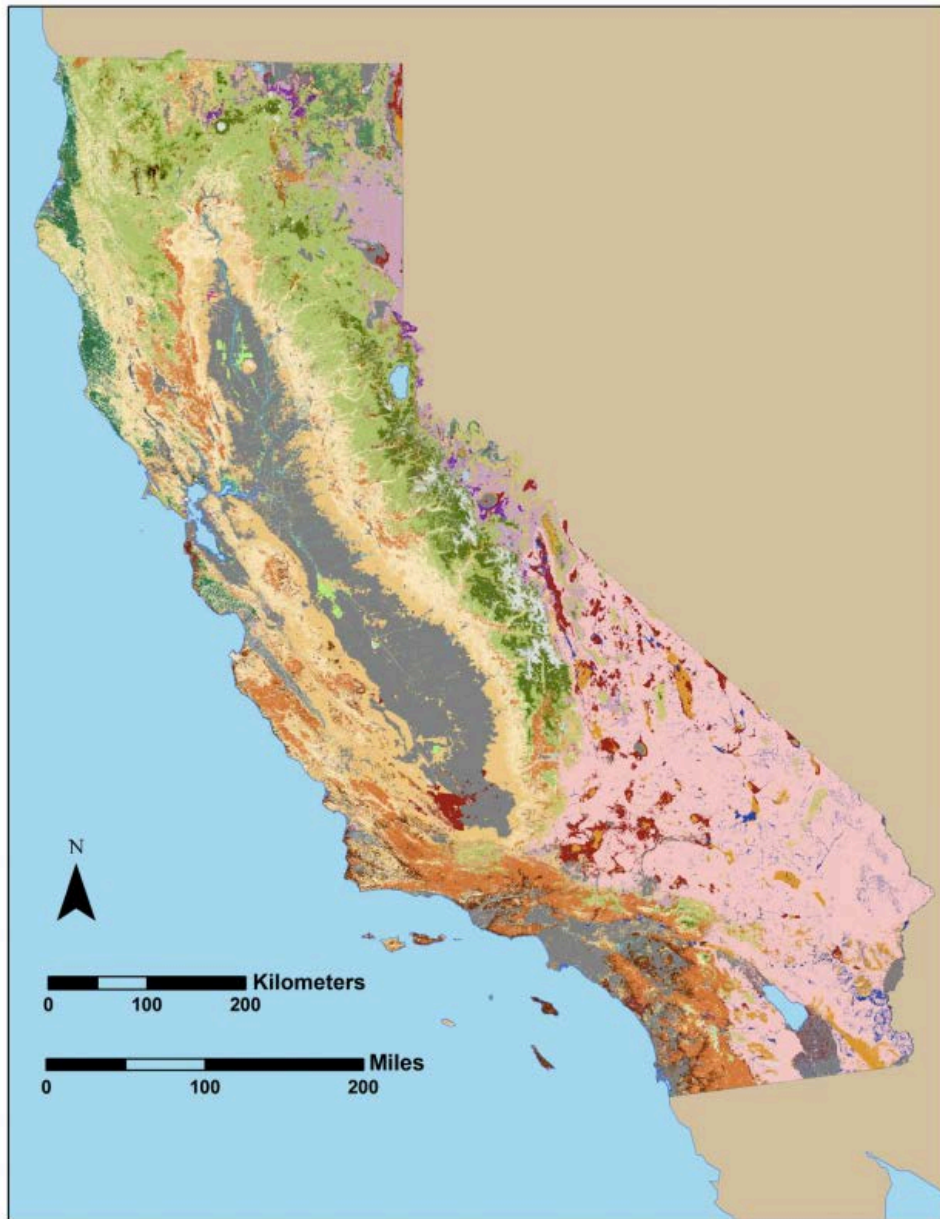


Figure 9. Statewide Vegetation (Macrogroup) Map. The statewide vegetation map used for the climate exposure analysis in this report. This image portrays the distribution of macrogroups which are analyzed. Note that some areas in the central valley and urban centers are in grey, indicating zones that were excluded from this analysis. The natural vegetation in the central valley that is mapped is visible as small extents of vegetation.

A climate change vulnerability assessment of California's terrestrial vegetation. Information Center for the Environment University of California, Davis January 2016



Figure 10. Macrogroup Map Legend. The legend for the macrogroup map.

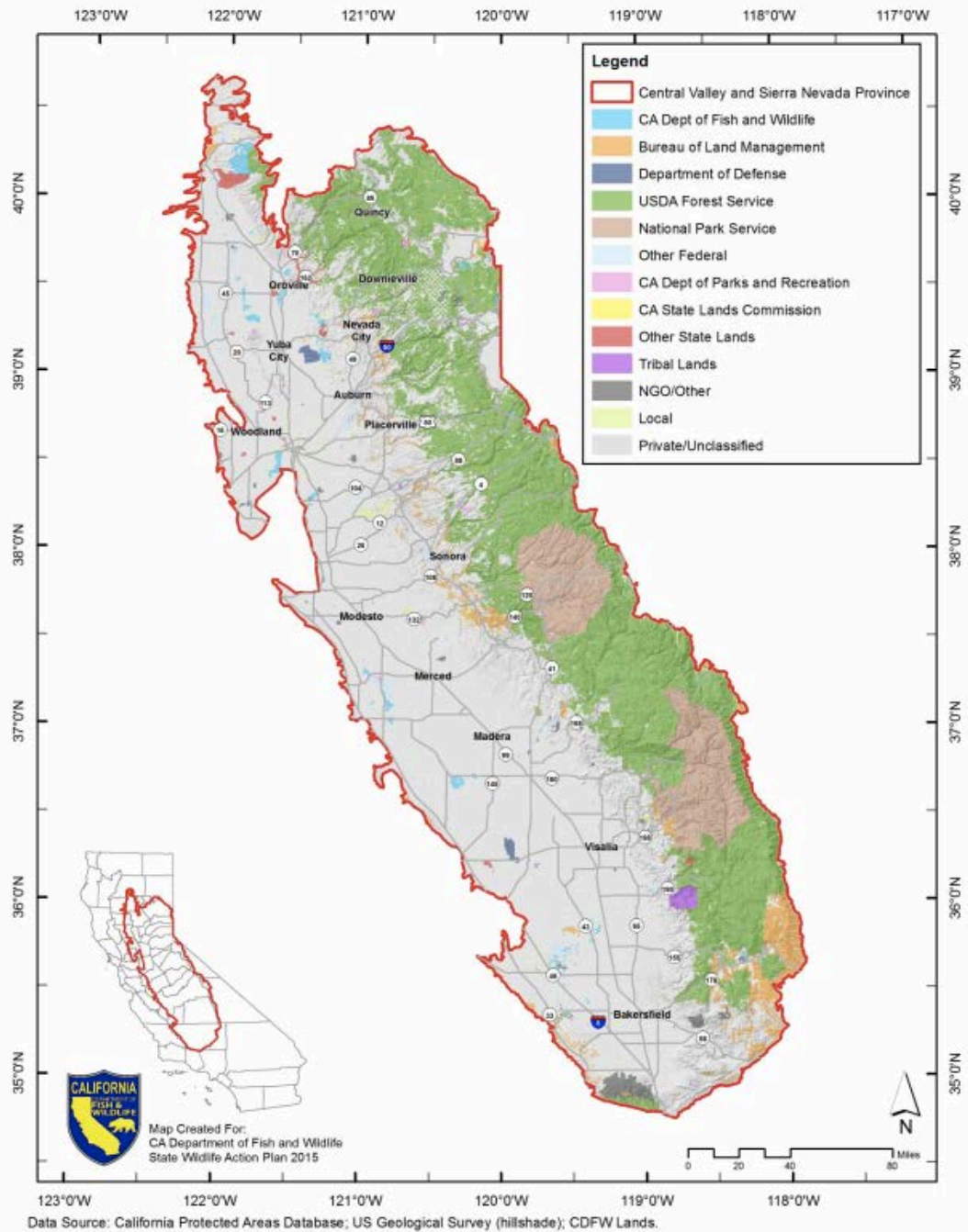


Figure 5.4-1 Land Ownership of the Central Valley and Sierra Nevada Province

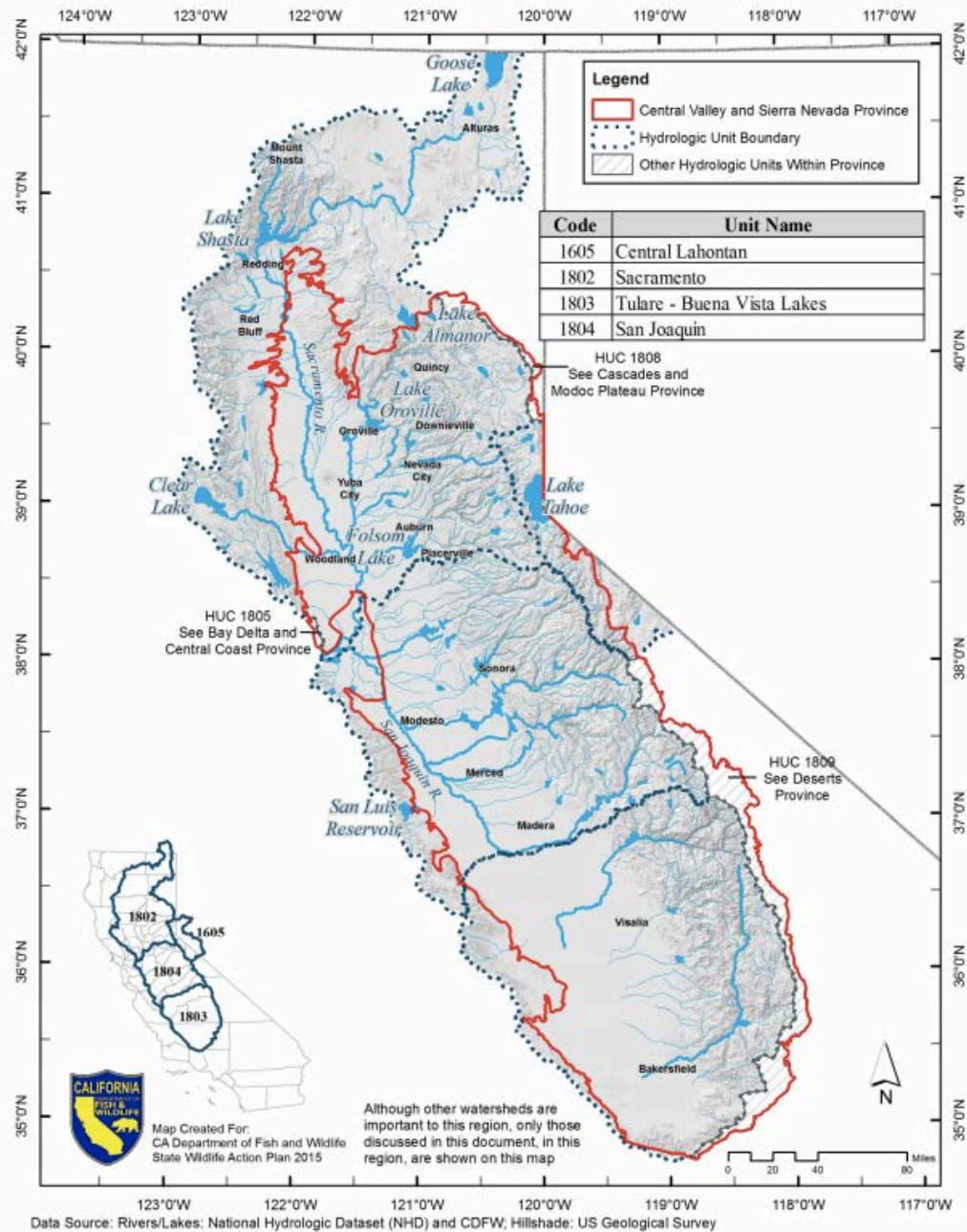


Figure 5.4-3 Hydrologic Units of the Central Valley and Sierra Nevada Province













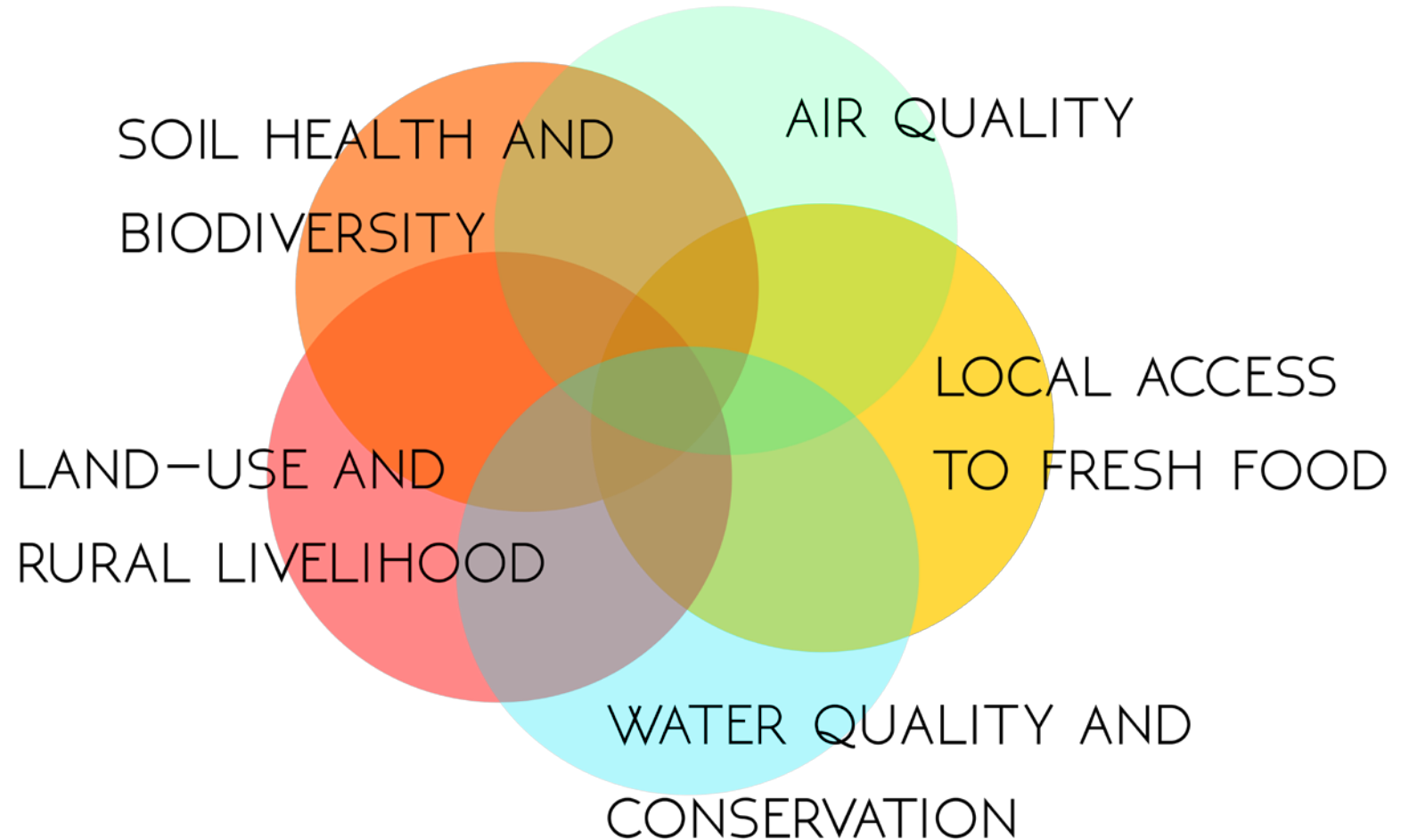






AGROECOLOGY

AGRICULTURE THAT PROTECTS:





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